## PATENT COOPERATION TREATY

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### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference							
PALGE04253	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/more	th/year)	Priority Date (day/month/year)				
PCT/KR 2004/002223 2 September 2004 (		9.2004)	22 September 2003 (22.09.2003)				
International Patent Classification (IPC) or nat	ional classification and IPC						
IPC <sup>8</sup> : F04B 39/00 (2006.01)i, F04	IPC <sup>8</sup> : F04B 39/00 (2006.01)i, F04B 39/12 (2006.01)i						
Applicant LG ELECTRONICS INC.							
This international preliminary exa and is transmitted to the applicant	mination report has been prepa according to Article 36.	ared by this	International Preliminary Examination Authority				
2. This REPORT consists of a total of	of <u>3</u> sheets, including thi	s cover she	et.				
This report is also accomplanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a total o	f sheets.		·				
3. This report contains indications re	lating to the following items:						
I. Basis of the opin	nion						
II. Priority			·				
III. Non-establishm	ent of opinion with regard to n	ovelty, inve	ntive step and industrial applicability				
IV. Lack of unity of	invention						
V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
VI. Certain docume	VI. Certain documents cited						
VII. Certain defects in the international application							
VIII. Certain observations on the international application							
Date of submission of the demand		Date of completion of this report					
22. April 2005 (22.04.2005)		13 January 2006 (13.01.2006)					
Name and mailing address of the IPEA/AT		Authorized officer					
Austrian Patent Office			RIEDER W.				
Dresdner Straße 87			MEDEL W.				
A-1200 Vienna Facsimile No. 1/53424/200		lephone No	. 1/53424/366				

Form PCT/IPEA/409 (cover sheet) (July 1998)

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
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beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**  * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as ,, originally filed " and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)			the drawings, sheets/fig
in this report as ,,originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and	5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
70.17).	*	in th	is report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and
** Any replacement sheet containing such amenaments must be referred to under tiem 1 and annexed to this report.	**	/U.1 Anv	7).  replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/KR 2004/002223

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	2-21	YES	
	Claims	1	NO	
Inventive step (IS)	Claims	2-21	YES	
	Claims	1	NO	
Industrial applicability (IA)	Claims	1-21	YES	
	Claims	——————————————————————————————————————	NO	
Citations and explanations (Rule 70	.7)			

Reference is made to the following documents:

D1: WO 2001/098658 A1 D2: JP 06-033877 A

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1 and discloses a suspension system for a reciprocating compressor, a casing, a compressor main body, a supporting unit including a plurality of springs, which are fixed between a motor-pump unit and a shell and tightly wound parts between the end coils (see especially Fig. 3 of D1). Said document shows exactly the windings in the middle part of the coil, which have predetermined and regular pitches and the pitches increase from the end coil toward the middle part of the coil.

D2 (Figures 1 and 2) show also all relevant features of said claim 1.

Therefore said documents contain all the essential features of the present claim 1.

It follows that the subject-matter of claim 1 is not novel in the sense of Article 33 (2) PCT.

However the subject-matter of the residual dependent claims 2-21 are novel (Article 33 (2) PCT) and meet the requirements of article 33 (3) PCT in respect of inventive step.

Industrial applicability is given for all claims.